

\$8*STN:Highlighton= ***;HighlightOff=*** ;
Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1653raw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****
NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,
STN AnaVist, now available
NEWS 4 AUG 11 Derwent World Patents Index(R) web-based training during
August
NEWS 5 AUG 11 STN AnaVist workshops to be held in North America
NEWS 6 AUG 30 CA/CAPLUS - Increased access to 19th century research documents
NEWS 7 AUG 30 CASREACT - Enhanced with displayable reaction conditions
NEWS 8 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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***** STN Columbus *****

FILE 'HOME' ENTERED AT 10:37:49 ON 14 SEP 2005

=> Index biosci

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL
ENTRY SESSION
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DDEFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 10:38:02 ON 14 SEP
2005

74 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s (flax (5a) protein) (P) extract?

0* FILE ADISNEWS
2 FILE AGRICOLA
1 FILE ANABSTR
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOCOMMERCE
4* FILE BIOENG
3 FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHDS
2* FILE BIOTECHNO
4 FILE CABA
1 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
23 FILES SEARCHED...
1 FILE DISSABS
29 FILES SEARCHED...
3 FILE EMBASE
2* FILE ESBIOBASE
1* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREG
6* FILE FROSTI
8* FILE FSTA
5 FILE IFIPAT
0* FILE KOSMET
3 FILE LIFESCI
3 FILE MEDLINE
0* FILE NTIS
0* FILE NUTRACEUT
1* FILE PASCAL
54 FILES SEARCHED...
0* FILE PHARMVL
10 FILE PROMT
3 FILE SCISEARCH
2 FILE TOXCENTER
7 FILE USPATFULL
0* FILE WAYER
7 FILE WPIDS
7 FILE WPINDEX

23 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L1 QUE (FLAX (5A) PROTEIN) (P) EXTRACT?

FILE 'ANABSTR' ENTERED AT 10:39:47 ON 14 SEP 2005
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-> s 11
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
18 FILES SEARCHED...
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'PROTEIN' (P) EXTRACT?
L2 79 L1

-> dup rem l2
DUPLICATE IS NOT AVAILABLE IN 'FEDRIP'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L2
L3 44 DUP REM L2 (35 DUPLICATES REMOVED)

-> s 13 and lipolyt?
L4 2 L3 AND LIPOLYT?

-> d 14 bib ab 1-2

L4 ANSWER 1 OF 2 FSTA COPYRIGHT 2005 IFIS on STN
AN 2004:G0865 FSTA
TI Process for ***extracting*** ***flax*** ***protein***
concentrate from ***flax*** meal.
IN Nennerfelt, L.; Evans, D.; Haaf, W. T.
PA Nennerfelt, Bellingham, WA, USA
SO United States Patent Application Publication, (2004)
PI US 2004137133 A1

=> file hits
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY TOTAL
1.77 1.98

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FILE 'CABA' ENTERED AT 10:39:47 ON 14 SEP 2005
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PRAI US @@@-428940 20021126

DT Patent

LA English

AB

A process for ***extracting*** **flax*** **protein*** concentrate from **flax*** meal is described, which involves adding flax meal to an aqueous acidic solution to form a 1st mixture with a solid fraction and an aqueous fraction containing water-soluble carbohydrates. The mixture is separated and the solid fraction is then hydrolyzed using a ***lipolytic*** enzyme. An aqueous alkali solution is then added to

the

hydrolyzed solution to form a 2nd mixture, with a 2nd aqueous fraction containing **flax*** **protein***, and a 2nd solid fraction. The 2nd mixture is then separated into the aqueous fraction and the solid fraction, such that the 2nd aqueous fraction may be evaporated to recover the **flax*** **protein***.

L4 ANSWER 2 OF 2 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

AN 2004-481160 (46) WPIDS

DNC C2004-179064

TI ***Extracting*** **flax*** **protein*** from **flax*** meal by adding **flax*** meal to acidic solution to form mixture, hydrolyzing mixture, adding alkali solution to hydrolyzed solution to form second mixture, evaporating second mixture to recover flax meal.

DC B04 D16

IN EVANS, D; NENNERFELT, L; TEN HAAF, W; HAAF, W T

PA (NUTR-N) NUTREX WELLNESS INC; (EVAN-I) EVANS D; (HAAF-I) HAAF W T;

(NENN-I) NENNERFELT L

CYC 2

PI CA 2451190 A1 20040526 (200446)* EN 23

US 2004137133 A1 20040715 (200447)

ADT CA 2451190 A1 CA 2003-2451190 20031126; US 2004137133 A1 Provisional US

2002-428940P 20021126, US 2003-722124 20031126

PRAI US 2002-428940P 20021126; US 2003-722124 20031126

AB CA 2451190 A UPAB: 20040720

NOVELTY - ***Extracting*** **flax*** **protein*** from **flax*** meal, by adding **flax*** meal to acidic solution to form a mixture, separating mixture into solid and aqueous fraction having carbohydrate, hydrolyzing solid fraction to form solution, adding alkali to hydrolyzed solution to form another mixture, separating mixture into second solid and aqueous fraction having **flax*** **protein***, and evaporating second aqueous fraction to recover **flax*** **protein***.

DETAILED DESCRIPTION - ***Extracting*** (MI) **flax*** **protein*** concentrate from **flax*** meal, involves (a) adding flax meal to an aqueous acidic solution to form a first mixture having a solid fraction and an aqueous fraction containing water soluble-carbohydrates, separating the first mixture into the aqueous fraction and the solid fraction, hydrolyzing the solid fraction using a ***lipolytic*** enzyme to form a hydrolyzed solution, adding an aqueous alkali solution to the hydrolyzed solution to form a second mixture having a second aqueous fraction containing the **flax*** **protein***, and a second solid fraction, separating the second mixture into the aqueous fraction and the solid fraction, and evaporating the second aqueous fraction to recover the **flax*** **protein***, or (b) removing water-soluble carbohydrates from the flax meal, hydrolyzing the flax meal using a ***lipolytic*** enzyme to remove lipids that are bound to the **protein*** of the **flax*** meal, and recovering

the **protein***
USE - (MI) is useful for ***extracting*** **flax***
protein from **flax*** meal (claimed).
ADVANTAGE - (MI) is efficient in ***extracting*** pure
flax* **protein*** from **flax*** meal, with high
nutritive value.
DESCRIPTION OF DRAWING(S) - The figure shows a flow chart
representing the ***extraction*** of **flax*** **protein***
concentrate from **flax*** meal.
Dwg.1/1

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

40.05

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:41:34 ON 14 SEP 2005

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NEWS 4 AUG 11 STN Anavist workshops to be held in North America
NEWS 5 AUG 30 CA/CAPUS -Increased access to 19th century research documents
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 8 SEP 22 MATHDI to be removed from STN

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0c(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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=> s (process or method) and ((protein (6a) extract?) (p) (flax or grain or wheat or corn or maize or rice or rapeseed)))
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> index biosci
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE TOTAL
ENTRY SESSION
0.42 0.42

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFU, DGENE, DISSABS, ...' ENTERED AT 13:38:22 ON 27 SEP 2005

74 FILES IN THE FILE LIST IN STNINDEX
Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.
=> s (process or method) and ((protein (6a) extract?) (p) (flax or grain or wheat or corn or maize or rice or rapeseed)))
0* FILE ADISNEWS
57 FILE AGRICOLA
10 FILE ANABSTR
5* FILE ANTE
0* FILE AQUALINE
3 FILE AQUASCI
71 FILE BIOBUSINESS
1* FILE BIOCOMMERCE
25* FILE BIOENG
329 FILE BIOSIS
90* FILE BIOTECHABS
90* FILE BIOTECHDS
33* FILE BIOTECHNO
15 FILES SEARCHED...
210 FILE CABA
79 FILE CAPLUS
13* FILE CEABA-VTB
1 FILE CIN
3 FILE CIN

15 FILE CROPU
1 FILE DDFU
199 FILE DGENE
27 FILES SEARCHED...
31 FILE DISSABS
3 FILE DRUGU
1 FILE EMBAL
27 FILE EMBASE
69* FILE ESBIOBASE
38* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREG
135* FILE FROSTI
269* FILE FSTA
40 FILES SEARCHED...
270 FILE IFIPAT
22 FILE JIGST-EPLUS
0* FILE KOSMET
35 FILE LIFESCI
38 FILE MEDLINE
2 FILE NIOSHTIC
5* FILE NTIS
0* FILE NUTRACEUT
154* FILE PASCAL
55 FILES SEARCHED...
0* FILE PHARMAML
1 FILE PHIN
68 FILE PROMT
3 FILE RDISCLOSURE
127 FILE SCISEARCH
30 FILE TOXCENTER
1389 FILE USPATFULL
96 FILE USPAT2
3 FILE VETU
1* FILE WATER
269 FILE WPIDS
72 FILES SEARCHED...
1 FILE WPIFV
269 FILE WPINDEX
46 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX
L1 QUE (PROCESS OR METHOD) AND ((PROTEIN (6A) EXTRACT?) (P) (FLAX OR GRAIN OR WHEAT OR CORN OR MAIZE OR RICE OR RAPESEED))
=> s 11 and (lipase or lipolyt?)
0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
1 FILE BIOBUSINESS
0* FILE BIOCOMMERCE
0* FILE BIOENG
2 FILE BIOSIS
2* FILE BIOTECHABS
2* FILE BIOTECHDS
0* FILE BIOTECHNO
3 FILE CAPLUS

18 FILES SEARCHED...

- 0* FILE CBA-VTB
- 0* FILE CIN

27 FILES SEARCHED...

- 0* FILE ESBIOBASE
- 4* FILE FEDRIP
- 0* FILE FOMAD
- 0* FILE FORGE
- 1* FILE FROSTI
- 3* FILE FSTA
- 12 FILE IFIPAT
- 0* FILE KOSMET
- 0* FILE NTIS

51 FILES SEARCHED...

- 0* FILE NUTRACEUT
- 2* FILE PASCAL
- 0* FILE PHARMAML
- 8 FILE PROMT
- 1 FILE SCISEARCH
- 113 FILE TOXCENTER
- 10 FILE USPAT2

70 FILES SEARCHED...

- 0* FILE WATER
- 12 FILE WPIDS

72 FILES SEARCHED...

- 12 FILE WPINDEX

17 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STINDEX

L2 QUE L1 AND (LIPASE OR LIPOLYT?)

=> file hits

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
4.13	4.13	4.55

FULL ESTIMATED COST

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FILE 'USPAT2' ENTERED AT 13:42:46 ON 27 SEP 2005

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FILE 'FROSTI' ENTERED AT 13:42:46 ON 27 SEP 2005
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=> s 12
3 FILES SEARCHED...
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'EXTRACT?' (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'EXTRACT?' (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'EXTRACT?' (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'EXTRACT?' (P) '
13 FILES SEARCHED...
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'EXTRACT?' (P) '
L3 175 L2
=> dup rem 13
DUPLICATE IS NOT AVAILABLE IN 'FEDRIP'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L3
L4 141 DUP REM L3 (34 DUPLICATES REMOVED)
=> d his
(FILE 'HOME' ENTERED AT 13:37:07 ON 27 SEP 2005)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOSUBSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFU, DGENE, DISSABS, ...' ENTERED AT 13:38:22 ON 27 SEP 2005
SEA (PROCESS OR METHOD) AND ((PROTEIN (6A) EXTRACT?) (P) (FLAX

269 FILE WPIDS
1 FILE WPIFV
269 FILE WPINDEX
L1 QUE (PROCESS OR METHOD) AND ((PROTEIN (6A) EXTRACT?) (P) (FLAX

SEA L1 AND (LIPASE OR LIPOLYT?)

0* FILE ADISNEWS
57 FILE AGRICOLA
10 FILE ANABSTR
5* FILE ANTE
0* FILE AQUALINE
3 FILE AQUASCI
71 FILE BIOSUBSINESS
1* FILE BIOCOMMERCE
25* FILE BIOENG
329 FILE BIOSIS
90* FILE BIOTECHABS
90* FILE BIOTECHDS
33* FILE BIOTECHNO
210 FILE CABA
79 FILE CAPLUS
13* FILE CEABA-VTB
1 FILE CEN
3* FILE CIN
15 FILE CROPU
1 FILE DDFU
199 FILE DGENE
31 FILE DISSABS
3 FILE DRUGU
1 FILE ENBAL
27 FILE ENBASE
69* FILE ESBIOBASE
38* FILE FEDRIP
0* FILE FOMAD
0* FILE FORGE
135* FILE FROSTI
269* FILE FSTA
270 FILE IFIPAT
22 FILE JICST-EPLIUS
0* FILE KOSMET
35 FILE LIFESCI
38 FILE MEDLINE
2 FILE NIOSHTIC
5* FILE NTIS
0* FILE NUTRACEUT
134* FILE PASCAL
0* FILE PHARMWL
1 FILE PHIN
68 FILE PROMT
3 FILE RDISCLOSURE
127 FILE SCISEARCH
30 FILE TOXCENTER
1389 FILE USPATFULL
96 FILE USPAT2
3 FILE VETU
1* FILE WATER

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
1 FILE BIOSUBSINESS
0* FILE BIOCOMMERCE
0* FILE BIOENG
2 FILE BIOSIS
2 FILE BIOTECHABS
2 FILE BIOTECHDS
0* FILE BIOTECHNO
3 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
4* FILE FEDRIP
0* FILE FOMAD
0* FILE FORGE
1* FILE FROSTI
3* FILE FSTA
12 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
2* FILE PASCAL
0* FILE PHARMWL
8 FILE PROMT
1 FILE SCISEARCH
1 FILE TOXCENTER
113 FILE USPATFULL
10 FILE USPAT2
0* FILE WATER
12 FILE WPIDS
12 FILE WPINDEX
L2 QUE L1 AND (LIPASE OR LIPOLYT?)

FILE 'USPATFULL, IFIPAT, WPIDS, USPAT2, PROMT, FEDRIP, CAPLUS, FSTA, BIOSIS, BIOTECHDS, PASCAL, BIOSUBSINESS, SCISEARCH, TOXCENTER, FROSTI'
ENTERED AT 13:42:46 ON 27 SEP 2005

L3 175 S L2
L4 141 DUP REM L3 (34 DUPLICATES REMOVED)

=> s 14 and flax
L5 11 L4 AND FLAX

=> d 15 bib ab 1-11

L5 ANSWER 1 OF 11 USPATFULL on STN
AN 2004:320933 USPATFULL
TI Plastid transformation

IN Reddy, Siva, New Delhi, INDIA
Sachu, Leelawathi, New Delhi, INDIA
Shukla, Vijaya, Koln, GERMANY, FEDERAL REPUBLIC OF
Ferraiolo, Giovanni, Genis-Pouilly, FRANCE

PI US 2004253586 A1 20041216
AI US 2004-149533 A1 20040528 (10)
PRAI WO 2000-EP12446 20001208
GB 1999-29075 19991208
GB 2000-17369 20000714
DT Utility
FS APPLICATION
LREP ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000
CLMN Number of Claims: 52
ECL Exemplary Claim: 1
DRWN 21 Drawing Page(s)
LN.QNT 3316

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a ***method*** of obtaining a stable transplastome, which ***method*** comprises transforming a recipient plastome with a polynucleotide comprising: (a) a 5' sequence homologous to a region of the recipient plastome, and, joined thereto; (b) a sequence heterologous to the recipient plastome comprising a coding region operably linked to at least one regulatory region capable of securing expression of the coding region in the plastid, and, joined thereto; (c) a 3' sequence homologous to a region of the recipient plastome.

L5 ANSWER 2 OF 11 USPATFULL on STN
AN 2004:184124 USPATFULL
TI Cosmetic preparations containing an extract of germinating plants
IN Moussou, Philippe, Nancy, FRANCE
Denoux, Louis, Nancy, FRANCE
Pauly, Gilles, Nancy, FRANCE
Daridon, Bruno, Malzeville, FRANCE

PI US 2004142007 A1 20040722
AI US 2003-479336 A1 20031201 (10)
AI WO 2002-EP5660 20020523
PRAI EP 2001-401428 20010601
DT Utility
FS APPLICATION
LREP COGNIS CORPORATION, PATENT DEPARTMENT, 300 BROOKSIDE AVENUE, AMBLER, PA, 19002
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.QNT 1547

AB The invention relates to novel cosmetic preparations containing an effective amount of an extract of germinating plants.

L5 ANSWER 3 OF 11 USPATFULL on STN
AN 2004:177969 USPATFULL
TI ***Process*** for ***extracting*** ***flax***
Protein concentrate from ***flax*** meal
IN Nennerfelt, Leif, Bellingham, WA, UNITED STATES
Evans, David, Custer, WA, UNITED STATES
Haaf, Willie Ten, Langley, CANADA

PI US 2004137133 A1 20040715
AI US 2003-722124 A1 20031126 (10)
PRAI US 2002-428940P 20021126 (60)
DT Utility
FS APPLICATION
LREP Geoffrey R. Myers, Esquire, Hall, Priddy, Myers & Vande Sande, 10220 River Road, Ste. 200, Potomac, MD, 20854
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.QNT 363

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A ***process*** for ***extracting*** ***flax*** wherein ***protein*** concentrate from ***flax*** meal is disclosed to form a first mixture having a solid fraction and an aqueous fraction containing water soluble-carbohydrates. The mixture is separated and the solid fraction is then hydrolyzed using a ***lipolytic*** enzyme. An aqueous alkali solution is then added to the hydrolyzed solution to form a second mixture having a second aqueous fraction containing said ***flax*** protein, and a second solid fraction. The second mixture is then separated into the aqueous fraction and the solid fraction, such that the second aqueous fraction may be evaporated to recover the ***flax*** protein.

L5 ANSWER 4 OF 11 USPATFULL on STN
AN 2003:215365 USPATFULL
TI Barley gene for thioredoxin and NADP-thioredoxin reductase
IN Cho, Myeong-Je, Alameda, CA, UNITED STATES
del Vai, Gregorio, El Cerrito, CA, UNITED STATES
Caillaud, Maxime, Verdun sur Garonne, FRANCE
Lemaux, Peggy G., Moraga, CA, UNITED STATES
Buchanan, Bob B., Berkeley, CA, UNITED STATES

PI US 2003150010 A1 20030807
US 6833493 B2 20041221
AI US 2002-91841 A1 20020305 (10)
RLI Division of Ser. No. US 2000-540014, filed on 31 Mar 2000, GRANTED, Pat. No. US 6380372

PRAI US 1999-127198P 19990331 (60)
US 1999-169162P 19991206 (60)
US 2000-177740P 20000121 (60)
US 2000-177739P 20000121 (60)
DT Utility
FS APPLICATION
LREP Michael R. Ward, Morrison & Foerster LLP, 425 Market Street, San Francisco, CA, 94105-2842
CLMN Number of Claims: 72
ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.QNT 5726

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides barley thioredoxin h nucleic acids and NADP-thioredoxin reductase nucleic acids, the respective encoded proteins and methods of use.

L5 ANSWER 5 OF 11 USPATFULL on STN

AN 2003:214645 USPATFULL
 TI Conjugated linoleic acid powder
 IN Finreite, Duane, Chicago, IL, UNITED STATES
 PA Natural ASA, Sandvika, NORWAY (U.S. corporation)
 PI US 2003:149288 A1 20030807
 AI US 2002-200889 A1 20020723 (10)
 RLI Continuation-in-part of Ser. No. US 2001-836788, filed on 17 Apr 2001, PENDING
 PRAI US 2000-198487P 20000418 (60)
 DT Utility
 FS APPLICATION
 LREP MEDLEN & CARROLL, LLP, 101 Howard Street, Suite 350, San Francisco, CA, 94105
 CLMN Number of Claims: 34
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.QNT 1427
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A powder containing a high amount of conjugated linoleic acid or other oil is provided. The powder contains either triglycerides containing CLA, free fatty acids of CLA, or alkylesters of CLA, or another desired oil. The powder is free flowing and has good organoleptic properties. The powder may be used as a dietary supplement or combined with foodstuffs to form a food product suitable for consumption by animals or humans.

L5 ANSWER 6 OF 11 USPATFULL on STN
 AN 2002:95944 USPATFULL
 TI Barley gene for Thioeredoxin and NADP-thioeredoxin reductase
 IN Cho, Myeong-Je, Alameda, CA, United States
 PA del Val, Gregorio, El Cerrito, CA, United States
 PI Callau, Maxime, Verdun sur Garonne, FRANCE
 Lemaux, Peggy G., Moraga, CA, United States
 Buchanan, Bob B., Berkeley, CA, United States
 PA The Regents of the University of California, Oakland, CA, United States (U.S. corporation)
 PI US 6380372 B1 20020430
 AI US 2000-540014 20000331 (9)
 PRAI US 1999-127198P 19990331 (60)
 US 1999-169162P 19991206 (60)
 US 2000-177740P 20000121 (60)
 US 2000-177739P 20000121 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Fredman, Jeffrey; Assistant Examiner: Einsmann, Juliet C.
 LREP Morrison & Foerster L.L.P.
 CLMN Number of Claims: 25
 ECL Exemplary Claim: 1
 DRWN 21 Drawing Figure(s); 19 Drawing Page(s)
 LN.QNT 5408
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention provides barley thioeredoxin h nucleic acids and proteins. The barley thioeredoxin h nucleic acid may be isolated or it may be an expression vector. The expression vector may be operably linked to a transcriptional regulatory sequence. The invention also provides for transgenic plants comprising recombinant barley thioeredoxin

h. The invention also provides methods of expressing and purifying barley thioeredoxin h.

L5 ANSWER 7 OF 11 USPATFULL on STN
 AN 2002:22529 USPATFULL
 TI Conjugated linoleic acid powder
 IN Finreite, Duane, Chicago, IL, UNITED STATES
 PA Natural ASA, Sandvika, NORWAY, N-1337 (U.S. corporation)
 PI US 2002013365 A1 20020131
 US 6756405 B2 20040629
 AI US 2001-836788 A1 20010417 (9)
 PRAI US 2000-198487P 20000418 (60)
 DT Utility
 FS APPLICATION
 LREP MEDLEN & CARROLL, LLP, 220 Montgomery Street, Suite 2200, San Francisco, CA, 94104
 CLMN Number of Claims: 37
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.QNT 1330
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A powder containing a high amount of conjugated linoleic acid or other oil is provided. The powder contains either triglycerides containing CLA, free fatty acids of CLA, or alkylesters of CLA, or another desired oil. The powder is free flowing and has good organoleptic properties. The powder may be used as a dietary supplement or combined with foodstuffs to form a food product suitable for consumption by animals or humans.

L5 ANSWER 8 OF 11 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
 AN 2004-481160 [46] WPIDS
 DNC C2004-179064
 TI ***Extracting*** ***flax*** ***protein*** from ***flax*** meal by adding ***flax*** meal to acidic solution to form mixture, hydrolyzing mixture, adding alkali solution to hydrolyzed solution to form second mixture, evaporating second mixture to recover ***flax*** meal.
 DC B04 D16
 IN EVANS, D; NENNERFELT, L; TEN HAAF, W; HAAF, W T
 PA (NUTR-N) NUTREX WELLNESS INC; (EVAN-I) EVANS D; (HAAF-I) HAAF W T; (NENN-I) NENNERFELT L
 CYC 2
 PI CA 2451190 A1 20040526 (200446)* EN 23
 US 2004137133 A1 20040715 (200447)
 ADT CA 2451190 A1 CA 2003-2451190 20031126; US 2004137133 A1 Provisional US 2002-428940P 20021126; US 2003-722124 20031126
 PRAI US 2002-428940P 20021126; US 2003-722124 20031126
 AB CA 2451190 A UPAB: 20040720
 NOVELTY - ***Extracting*** ***flax*** ***protein*** from ***flax*** meal, by adding ***flax*** meal to acidic solution to form a mixture, separating mixture into solid and aqueous fraction having carbohydrate, hydrolyzing solid fraction to form solution, adding alkali to hydrolyzed solution to form another mixture, separating mixture into second solid and aqueous fraction having ***flax*** protein, and evaporating second aqueous fraction to recover ***flax*** protein.
 DETAILED DESCRIPTION - ***Extracting*** (M1) ***flax*** ***protein*** concentrate from ***flax*** meal, involves (a) adding ***flax*** meal to an aqueous acidic solution to form a first mixture

having a solid fraction and an aqueous fraction containing water soluble-carbohydrates, separating the first mixture into the aqueous fraction and the solid fraction, hydrolyzing the solid fraction using a ***lipolytic*** enzyme to form a hydrolyzed solution, adding an aqueous alkali solution to the hydrolyzed solution to form a second mixture having a second aqueous fraction containing the ***flax*** protein, and a second solid fraction, separating the second mixture into the aqueous fraction and the solid fraction, and evaporating the second aqueous fraction to recover the ***flax*** protein, or (b) removing water-soluble carbohydrates from the ***flax*** meal, hydrolyzing the ***flax*** meal using a ***lipolytic*** enzyme to remove lipids that are bound to the protein of the ***flax*** meal, and recovering the protein.

USE - (M1) is useful for ***extracting*** ***flax*** protein*** from ***flax*** meal (claimed).

ADVANTAGE - (M1) is efficient in ***extracting*** pure ***flax*** protein*** from ***flax*** meal, with high nutritive value.

DESCRIPTION OF DRAWING(S) - The figure shows a flow chart representing the ***extraction*** of ***flax*** protein*** concentrate from ***flax*** meal.

Dwg.1/1

L5 ANSWER 9 OF 11 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

AN 2004-062517 [06] WPIDS

DNC C2004-025723

TI Vegetable protein preparation, used in food or animal feed industry, is obtained by adding ***lipase*** during solvent extraction of seeds.

DC D13

IN BHARY-LASHGARY, S; EISNER, P; KNAUF, U; SCHAFER, C; WASCHKE, A; SCHAEFER, C; WASCHKE, A

PA (FRAU) FRAUNHOFER GES FOERDERUNG ANGEWANDTEN EV; (FRAU) FRAUNHOFER GES

FOERDERUNG ANGEWANDTEN

CYC 104

PI WO 2003106486 A1 20031224 (200406)* GE 33

RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GR HU IE IT KE LS

LU MC MW NZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

W: AE AG AL AM AT AU AZ BA BB BG BR BZ CA CH CN CO CR CU CZ DE DK

DM DZ EC EE ES FI GB GD GE GH GR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MN MW MX MZ NI NO NZ OM PH PL

PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU

ZA ZM ZW

AU 2003276937 A1 20031231 (200451)

EP 1519947 A1 20050406 (200523) GE

R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV

MC MK NL PT RO SE SI SK TR

WO 2003106486 A1 WO 2003-EP6121 20030611; AU 2003276937 A1 AU 2003-276937

20030611; EP 1519947 A1 EP 2003-740222 20030611, WO 2003-EP6121 20030611

FDT AU 2003276937 A1 Based on WO 2003106486; EP 1519947 A1 Based on WO

2003106486

PPAI DE 2002-10227044 20020617; DE 2002-10227184 20020612

AB WO2003106486 A UPAB: 20040123

NOVELTY - Vegetable protein preparation (I) is obtained by carrying out

extraction of seeds with a solvent in the presence of a ***lipase***

USE - Vegetable protein (I) is used in the food and animal feed

industries (claimed).

ADVANTAGE - Using a ***lipase*** during extraction improves the flavor, as it greatly reduces the content of lipids or lipid impurities that can decompose to cause off-flavor.

Dwg.0/5

L5 ANSWER 10 OF 11 PROMT COPYRIGHT 2005 Gale Group on STN

AN 2003:405785 PROMT

TI The natural ingredients market: while mainstream personal care sales lag, natural-based products continue to make leaps forward.

AU Henson, Melanie

SO Household & Personal Products Industry, (June 2003) Vol. 40, No. 6, pp. 63(14).

ISSN: ISSN: 0090-8878.

PB Rodman Publications, Inc.

DT Newsletter

LA English

WC 8128

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB IN RECENT YEARS, natural products have grown from a niche segment to one of the fastest-growing categories in personal care, according to marketing research companies.

THIS IS THE FULL TEXT: COPYRIGHT 2003 Rodman Publications, Inc.

Subscription: \$48.00 per year. Published monthly. 17 S. Franklin Turnpike,

Box 555, Ramsey, NJ 07446.

L5 ANSWER 11 OF 11 PROMT COPYRIGHT 2005 Gale Group on STN

AN 2003:187013 PROMT

TI New skin care ingredients.

SO Household & Personal Products Industry, (May 2003) Vol. 40, No. 5, pp. 134(9).

ISSN: ISSN: 0090-8878.

PB Rodman Publications, Inc.

DT Newsletter

LA English

WC 4561

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB Here is a list of new skin care ingredients introduced by suppliers during the past 12 months. For more information about the ingredients listed here, contact the supplier directly.

THIS IS THE FULL TEXT: COPYRIGHT 2003 Rodman Publications, Inc.

Subscription: \$48.00 per year. Published monthly. 17 S. Franklin Turnpike,

Box 555, Ramsey, NJ 07446.

=> s 14 and acid

L6 130 L4 AND ACID

=> s 16 and (base or basic or alkali?)

L7 107 L6 AND (BASE OR BASIC OR ALKALI?)

=> s 17 and (ground or grind or meal)

L8 59 L7 AND (GROUND OR GRIND OR MEAL)

=> s 18 and flax
L9 6 L8 AND FLAX

=> s 19 not l11
L11 NOT FOUND
The L-number entered could not be found. To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 19 not l5
L10 0 L9 NOT L5

=> log h
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
92.53	97.08

SESSION WILL BE HELD FOR 60 MINUTES
STN-INTERNATIONAL SESSION SUSPENDED AT 13:48:59 ON 27 SEP 2005